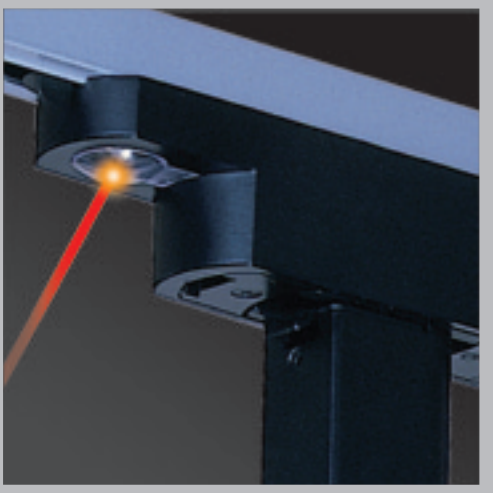


LIGHTOLIER®

ATOM, Lightolier's Addressable Track System, brings unparalleled flexibility and control to Lytespan Track lighting. ATOM is a simple yet highly sophisticated Track lighting control system that allows individual dimming control and lighting effects of Lightolier's Lytespan Track luminaires on the same circuit.

Created to work with Lytespan Radius,® Basic® and Advent® Track and all Lytespan Track Heads, ATOM is easily installed and requires no special wiring. A simple hand-held Laser Remote Control allows the user to first activate the system with a laser, and then program individual or multiple Track heads using infrared signals.

Easily retrofitted to existing installations, ATOM offers even more flexibility and control than multi-circuit track. ATOM provides up to six programmable scenes plus On/Off scenes, programmable time delays, fading effects, and cycle effects by grouping fixtures on the same sequence. When integrated with Lightolier's Compose PLC Firewall, ATOM can communicate across multiple circuits of Track to provide the ultimate in lighting control.

Ideal for dimming incandescent and low voltage fixtures, ATOM also controls non-dimming compact fluorescent and metal halide sources. Suitable for retail, hospitality, residential applications, museums and galleries, ATOM brings state-of-the-art control and flexibility to any space with Lytespan Track lighting. Powerful, economical and simple to use, ATOM heralds a new era of control and versatility in Track lighting.

ATOM™

The Addressable Track System that offers state-of-the-art control and flexibility for Lytespan Track lighting.

ATOM is compatible with Radius®, Basic® and Advent® Track.

The ATOM Smart Module installs between Lytespan Track and Track heads and is the heart of the ATOM Addressable Track System.

ATOM is compatible with all Lytespan Track heads and Lytespots.

ATOM Addressable Modules

ATOM Control Modules comprise the heart of the Addressable Track System. The module contains all the "smart" electronics required to create an unlimited variety of lighting effects. There are two control modules and a Track Master Module to choose from:

1. **ATOM Track Dimming Control Module**
   Provides full range dimming and on/off control of line and low voltage (both magnetic and electronic) incandescent sources up to 250W. Attaches anywhere along Track and accepts commands from the ATOM Laser Remote Control and Wall Remote Control Units.
2. **ATOM Addressable Track On/Off Control Module**
   Provides on/off switching of non-dimmable loads such as fluorescent, CFL and HID up to 250W. Attaches anywhere along Track and accepts commands from the ATOM Laser Remote Control and Wall Remote Control Units.
3. **ATOM Track Master Module**
   The control unit that receives and sends signals using Power Line Carrier technology along the Track from a single location. Used to cycle scenes, create lighting effects and dim, raise, lower or turn on or off the light levels on all modules on the Track simultaneously. The Track Master Module may also be used with Lightolier's Compose PLC Firewall to communicate with Track heads on other circuits.

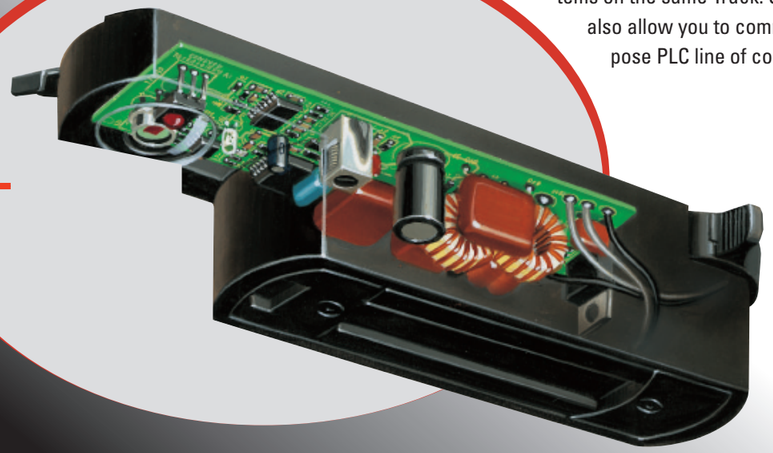
ATOM Module Effects

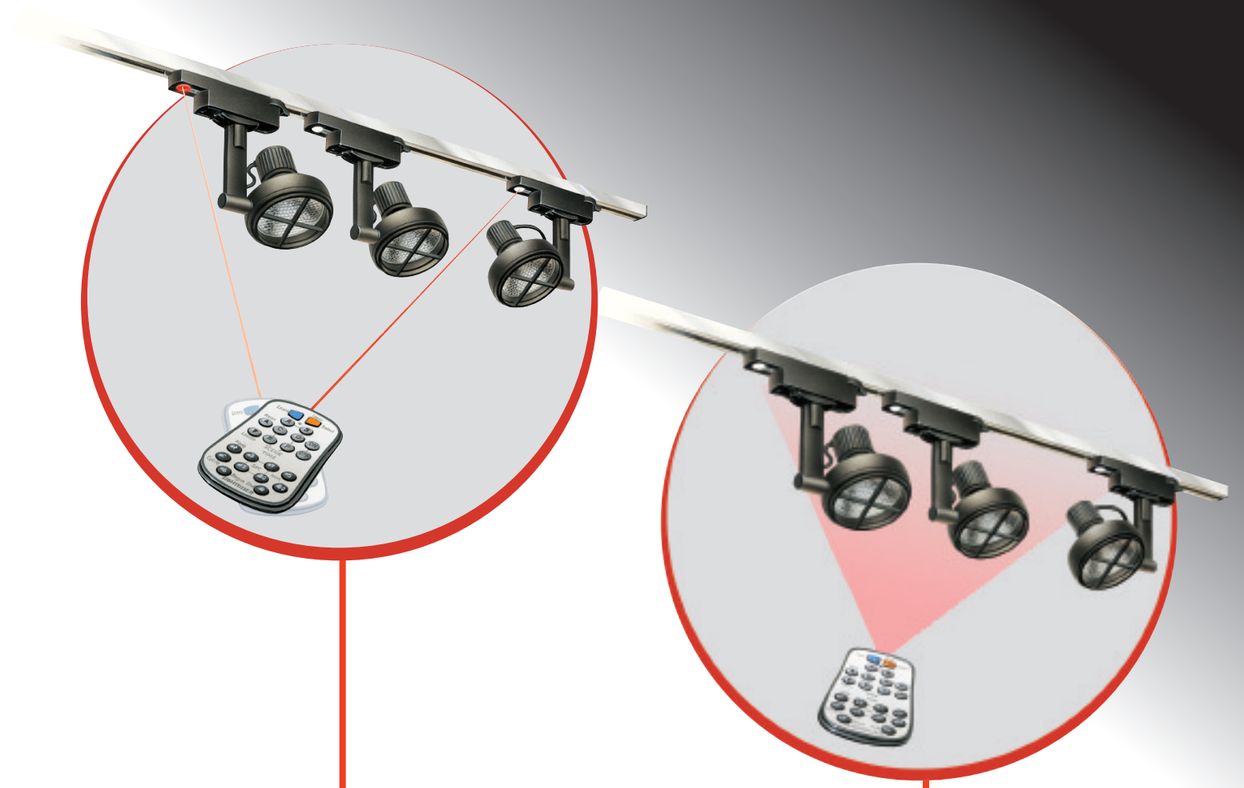
Scene Setting: Lighting effects and light levels can be stored in each module for use at any time. Each group of stored settings is called a scene. Each module can store six programmable and on/off scenes.

Fading Effects: The time transition between scenes can be programmed into each module. Modules are pre-programmed with a 3-second fade rate between scenes that may be extended to 30 minutes or reduced to 1.5 seconds.

Cycling Effects: The modules will cycle through scenes with programmed fade and timed delays in a continuous loop or a single cycle. This function requires a Track Master Module.

Addressing: Allows you to set and address individual modules to run several completely separate ATOM systems on the same Track. Setting an address will also allow you to communicate with the Compose PLC line of controls.





Programming the ATOM System

1. Install the desired Dimming and/or On/Off Modules between the desired Lytespan Track heads and Track. Install the Track Master module on the same Track if you wish to control multiple modules at once to create cycle effects, or if you wish to communicate through Lightolier Compose PLC Firewall to other circuits. Use one Track Master per branch track circuit.
2. "Select" each module for programming by targeting the "sensor window" on the side of each module with the laser pointer contained in the handheld Laser Remote Control. A red LED will blink in the sensor window on Dimming modules selected and a green LED will blink in On/Off modules selected. The selected modules are now "activated" for programming. You may select and program individual modules or groups of modules at the same time.
3. Program the selected modules using the keypad on the handheld Laser Remote Control. Set the modules to the desired light level or on/off setting for the particular application. The handheld remote control uses IR (infrared) signals during the programming phase. No laser will be visible, just aim the control in the direction of the modules. Scenes, fading and cycling effects may all be programmed at this time.
4. Press the "Learn" button on the handheld Laser Remote Control to "store" the chosen settings. From this point forward use the Laser Remote Control or a Wall Master Control to select desired scenes.

From window displays that must accommodate changing outdoor light levels to floor displays that are altered constantly, retail lighting poses many unique challenges.

ATOM offers new ways to deal with these challenges by providing powerful features such as programmable time delays, fading effects and scene cycling. Most importantly, ATOM helps create a more visually exciting retail experience without major and expensive lighting renovations.

A key feature for retail spaces is ATOM's Track Master Module which allows simultaneous communication with all ATOM modules in a space. Combined with Lightolier's Compose PLC Firewall this permits a whole room or floor to be controlled in one easy step after the initial programming.

ATOM's powerful features make it easier than ever to create Track lighting with all the drama and excitement required in today's demanding retail environment.

ATOM allows retailers to create dramatic cycling effects on single circuit Lytespan Track. Here an array of Tron MR16 Lytespots with color filters fade from brilliant red…

to saturated blue…

to vibrant green…

to combined red/blue/green white light in a matter of seconds for colorful kinetic effects that draw shoppers' attention into the store.

ATOM may also be used to alternatively highlight the entire display (shown without color filters)…

or dramatically focus attention on clothing, jewelry or accessories.

In this example, ATOM is integrated with eight Lytespan Sof-Tech® AR111 spots to create a mosaic of cycling patterns. The cycle speed may be varied to create the desired rhythm and tempo.

ATOM gives lighting designers a way to enhance the capabilities of Track lighting in hospitality spaces while providing lighting that is more versatile and flexible than ever before.

With ATOM, tables and bar areas can be effectively dimmed to low levels while luminaires on the same Track boldly highlight paintings and artwork. ATOM's designed-in flexibility also allows easy scene changes so a restaurant can offer one scene for lunchtime and a completely different visual environment for dinner.

As easy to program and use as wall-box dimmers, ATOM allows restaurant personnel to make lighting changes quickly and easily right from the floor. Even dimming a single Track fixture in the middle of a busy restaurant is no problem with ATOM.

From dramatic fading effects to completely programmable lighting scenes, ATOM offers a cost-effective way to make hospitality environments look their best.

ATOM allows fixtures grouped on single circuit Lytespan Track to function independently to create the most effective lighting for hospitality applications. In this example, PAR36 spots welcome guests to their tables at dinnertime.

Bright table lighting gives way to intimate candlelight as dinner is served, while a hidden framing projector accentuates the artwork.

After dinner, another framing projector slowly creates a dappling of layered light in anticipation of live music or dancing.

Before and after operating hours, full-room ambient lighting is preprogrammed to facilitate set-up and clean up.

ATOM offers lighting designers a number of important features that enhance the lighting in both public and private museum and gallery spaces.

By allowing sequential lighting on a single circuit of Track, visual "tours" of a space can be easily programmed, creating a more powerful museum experience for visitors. ATOM also allows complete programmable lighting scenes by grouping fixtures on the same circuit or separate circuits of Track. This permits each museum and gallery exhibit to enjoy a singular lighting design at a very reasonable cost.

ATOM also allows lighting to be quickly adapted to changing exhibitions and assists in compensating for day lighting transition problems in the museum environment. Utilizing the capabilities of ATOM, museums and galleries have a potent new tool to enhance the viewing experience and provide more powerful presentations for visitors.

ATOM is ideal for creating pre-programmed tours through galleries and museums. In this example a series of Metallics™ line and low voltage fixtures are used to sequentially reveal the display items in an art gallery.

Programmed for either continuous or viewer activated cycling, ATOM allows *objets d'art* to be revealed theatrically for the most dramatic effect.

ATOM exceeds the control capabilities of traditional two-circuit track with advantages and flexibility not available through permanently installed downlighting installations.

From public museums to photo galleries, art exhibits to antique shops ATOM offers the ultimate in Track lighting control and flexibility.

From accent lighting in the living room to task lighting in the kitchen, ATOM offers homeowners the features and flexibility they're looking for in Track lighting.

Sophisticated home theaters, kitchens and living areas will benefit from ATOM's easily programmable scenes and fading effects. The easy-to-use remote control also allows family members to quickly change scenes and create the exact lighting that suits their task and mood. Ideal for retrofit applications on existing Lytespan Track, ATOM allows homeowners to create an unlimited variety of very affordable lighting effects.

A sophisticated Wall Master Control unit allows interfacing with Multi-Set Pro, Brilliance II and other Lightolier Controls products to offer additional control over the home lighting environment. With ATOM, homeowners have a truly 21st century system that gives their Track lighting features they never thought possible.

Kitchens offer unique lighting challenges and ATOM has more solutions than any other lighting control system. Par-Tech® PAR20 Lytespots illuminate cabinets on either side of the range for a symmetrical effect in the early morning or evening.

8 Degree PAR20 narrow spotlights highlight fruit and dishware in either corner, while Lytetrim® undercabinet lighting adds a soft glow for after dinner or late night ambience.

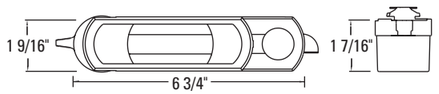
The general flexibility of Lytespan Track lighting allows the addition of an intimate breakfast table. The added versatility of ATOM allows precision control of the environment – all from the same circuit.

Whether new construction, retrofit or remodel projects in a kitchen, dinning room, home theatre or living room, ATOM gives homeowners the ultimate in lighting control at an affordable price.

CAM250VAWH Addressable Track Dimming Module White
CAM250VABK Addressable Track Dimming Module Black
Maximum 250W line or low voltage incandescent loads per module.

CAM250NDWH Addressable Track Non-Dim On/Off Module White
CAN250NDBK Addressable track Non-Dim On/Off Module Black
Maximum 250W incandescent, fluorescent, CFL or HID load per module.

CAMTMWH Track Master Module White
CAMTMBK Track Master Module Black



CAMWRCWH Wall Remote Control White
CAMWRCI Wall Remote Control Ivory

CAMLRC Laser Remote Control Black
Requires two 3V CR2025 batteries—included.

CPLCILF20 In-Line Filter 20 Amp

CPLCFW4 Firewall, 4-Circuit 4/20 Amp
CPLCFW8 Firewall, 8-Circuit 8/20 Amp

How to Specify and Order ATOM

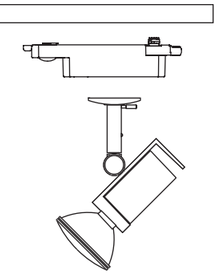
A complete ATOM system consists of:

❶ Lytespan Track

❷ ATOM Addressable Modules and accessories

❸ Lytespan Lytespots

Lytespan Track and Lytespots may be specified from the Lytespan full line catalog shown below.



The following examples of common system configurations are provided to assist in ordering the correct ATOM modules and accessories.

To control one or a few Track Luminaires for basic dimming ON or OFF.
- Addressable Track dimming Modules—CAM250VAWH/BK or CAM250NDWH/BK (non dim)
- Laser Remote Control (only one required)—CAMLRC

To control numerous Track Luminaires for basic dimming and ON/OFF
- Addressable Track dimming Modules—CAM250VAWH/BK or CAM250NDWH/BK (non dim)
- Laser Remote Control (only one required)—CAMLRC
- Track Master Module- CAMTMWH/BK

To control numerous Track Luminaires for dimming and lighting effects
- Addressable Track dimming Modules—CAM250VAWH/BK
- Addressable Track Non Dim ON/OFF Modules—CAM250NDWH/BK (if required)
- Laser Remote Control (only one required)—CAMLRC
- Track Master Module—CAMTMWH/BK (required)
- IN-Line Filter—CPLCILF20 (recommended)
- Wall Remote Control—CAMWRCWH/I (optional)

To control numerous Track Luminaires for dimming and lighting effects from several Tracks on the same circuit.
- Addressable Track dimming Modules—CAM250VAWH/BK
- Laser Remote Control (only one required)—CAMLRC
- Track Master Module—CAMTMWH/BK
- IN-Line Filter—CPLCILF20 (recommended)
- Wall Remote Control—CAMWRCWH/I (optional)

To control numerous Track Luminaires for dimming and lighting effects from several Tracks on different circuits.
- Addressable Track dimming Modules—CAM250VAWH/BK
- Laser Remote Control (only one required)—CAMLRC
- Track Master Module—CAMTMWH/BK
- Wall Remote Control—CAMWRCWH/I (optional)
- Compose Firewall PLC—CPLCFW4/8 (required)

ATOM System Compatibility

Lytespan Track Compatibility
Compatible with Radius, Basic and Advent (when used on one circuit) Track Systems, and Multipoint. DO NOT USE with Sloped Ceiling Adapter, All Monopoints and ProSpec® Track.

Luminaire Compatibility

Dimmable Module
Compatible with any Lytespan Line and Low Voltage Incandescent luminaire, 250W Max. DO NOT USE with Power Jack, Metal Halide, Fluorescent, or Convenience Outlet units.

Non-Dimmable Module
Any Lytespan Incandescent line voltage, incandescent low voltage, metal halide, and fluorescent luminaire, 250W MAX. DO NOT USE with Power Jack, Sof-Tech® Metal Halide, Lytespots, PowerWash™ T5 Track Mount, Lyteflood® L40 and L39, or Convenience Outlet units.

For the complete selection of Lytespan Track and Lytespots please reference to the full line Lytespan catalog (brochure 28208).

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